

DAILY FIELD ACTIVITIES SUMMARY REPORT			
PROJECT NAME: R&H Oil/Tropicana Energy Site, San Antonio, Texas			
Date: 10/11/11	Shift Beginning: 08:00 hours		Shift Ending: 14:00hours
RAC II Contract No.: EP-W-06-004		Task Order No.: 0074	
EPA Region 6 TOM: Chris Villarreal		Project Manager: Ted Telisak	
Design Manager: N/A		Site Scientist: Duane Thomas	
Design Engineer: N/A		Site Engineer: N/A	
Personnel on site	Name	Affiliation	Reason for being on site
EA:	Duane Thomas	EA	Soil vapor/Sub Slab Vapor Investigation
Subcontractors:	N/A		
Other:	Tim Nickles Matt Sutherland Eric Pastor John Brayton	PBW PBW PBW PBW	Environmental Consultant Junior Engineer Environmental Consultant Environmental Technician
Work Performed			
<p>Pastor, Behling & Wheeler, LLC (PBW) is the environmental consultant that is conducting the remedial investigation field activities. EA is providing oversight of field activities on behalf of EPA.</p> <p>EA oversaw PBW as they continued their soil vapor/sub slab vapor intrusion sampling investigation. The day's activities began with the sampling of the points in the "old lab" building. PBW had noticed the bentonite seal around all three sample points had dried out and cracked. PBW replaced the seals with fresh bentonite prior to leak testing. PBW used summa canisters with a 5 minute regulator to sample the sub-slab locations.</p> <p>PBW began leak testing the holes with a helium shroud at 0838 at point SS-2. PBW used a portable Dielectric Helium/Hydrogen meter to test the purge air for helium intrusion. PBW used a 75cc syringe to extract approximately 50cc's at a time of air from the sample line and injected this air into a tedlar bag for testing. EA relayed concerns about this method to the EPA. The syringe was not capped nor had a valve on the end ensuring no air could escape from the open end of the syringe. Sample points SS-2 and SS-3 were done in this manner. EA also questioned if 100cc's of extracted air was sufficient volume to test with the helium meter. PBW contended it was. EA noticed that the 100cc volume was quickly consumed by the meter. In these instances, PBW attached the meter directly to the sample hose. PBW installed a stop cock valve on the end of the syringe to prevent gas escape.</p> <p>After completion of the sub slab vapor sampling, PBW began soil gas sampling at MW-12. PBW did struggle initially getting the 30% helium atmosphere in the helium shroud due to the uneven soil. PBW adjusted the bentonite around the hole and managed to solve the problem. PBW did not have issues with bore hole leaking or helium shroud issues at the remaining sampling locations. PBW tested nine wells in total with one duplicate sample at MW-13.</p> <p>PBW had no deviations from their work plan on this day.</p>			
Anticipated Activities for the Following Day			
Groundwater sampling of monitoring wells.			
Report prepared by (name and date)			
Duane Thomas 10/11/11			